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Animal Science Newsletter

Department of Animal Science

Spring 2019

Animal Science Department News

Department of Animal Science

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Animal Science Department News

Dates of Interest:

May 4: Commencement Ceremonies

June 10-12: SDSU Youth Livestock Judging Camp, Session 1

June 13-15: SDSU Youth Livestock Judging Camp, Session 2

June 18-21: BIF National Meetings

July 8-11: ASAS Annual Meeting, Austin, TX

August 26: Fall Semester begins

September 21: Beef Bowl, SDSU vs Southern Utah

September 23: Scholarship Banquet, Volstorff Ballroom

March 27-28, 2020: Little I

Welcome New Staff:

Bev French joins us as Financial Program Assistant. She has been employed at the University for eight years, previously in the School of Design and began in the Animal Science Department February 11. Bev and her husband, Tom live north of Brookings.



Welcome New Research Assistant:



Heeseong Kim from South Korea is working under the direction of **Dr. Tofuko Woyengo** in swine and poultry.

Beef 2020:

The SDSU Beef 2020 program was held January 2-4, 2019 in Brookings, SD. The program was attended by twenty-six beef industry personnel and producers from across South Dakota. Attendees participated in live cattle evaluation, beef grading and pricing examples, and carcass fabrication. They also engaged with a variety of speakers who presented on topics including: the influence of pre-harvest management on carcass traits, beef marketing, value-added factors, and beef eating quality.



This long-standing program continues to provide current and future beef industry stakeholders with hands-on learning activities involving live cattle and carcasses to effectively develop an understanding of factors that create value differences among beef cattle. Beef 2020 is supported by the Beef Checkoff through the South Dakota Beef Industry Council and SDSU Extension.



Pork Classic:



Pork Classic was held Saturday, January 26 at the SDSU vs Omaha double header basketball game. More than 500 people enjoyed a delicious BBQ pork loin sandwich meal, which included SDSU ice cream for dessert. Loins for the



BBQ were donated by Smithfield Foods. Twenty pork bundles, also donated by Smithfield Foods, were sold. Approximately \$8,000 was raised to support Animal Science scholarships. Special thanks to all staff and student volunteers and to **Dr. Jeff Clapper**, **Dr. Ryan Samuel** and **Dr. Bob Thaler** for organizing this event.

Lamb Bonanza:



The 27th annual Lamb Bonanza was held on January 12th at Frost Arena on the SDSU Campus prior to the SDSU vs Oral Roberts men's basketball game. The popular lamb products, smoked lamb sandwiches and lamb meatballs, were served to more than 700 basketball fans by Animal Science staff and the SD Sheep Growers' Association producers. Six lamb pelts were auctioned during halftime with proceeds supporting undergraduate scholarships in the Departments of Animal Science and Athletics. The pelt auction average was \$1,566, setting a new all-time Lamb Bonanza record! Thanks to all who supported the event including the successful pelt auction bidders: Jason and Brandy Aho (Lake Norden, SD); Barry and Jane Dunn (Brookings, SD); Travis Hoffman (Fargo, ND); Jason and Gail Gullickson (Flandreau, SD); Lynn and Dianne Perry (Bancroft, SD); Carlyle Halverson (Brookings, SD). The Lamb Bonanza undergraduate scholarship program awards \$5,000 dollars annually. Special thanks to all the SD Sheep Growers Association volunteers and our staff who assisted with the event: **Dr. Lowell Slyter**, **Dr. Julie Walker**, **Dr. Joe Cassady**, **Dr. Rosie Nold**, **Dr. Kyle Grubbs**, **Dr. Dean Killefer**, **Heidi Carroll**, **Adam Rhody**, **Karolynn Marsan** and **LeAnn Hall**.

Celebration of Faculty Excellence:



SDSU Photo

The Celebration of Faculty Excellence, a recognition event for the faculty of SDSU, was held February 19 in the University Student Union Volstorff Ballroom. **Dr. Joe Cassady**, pictured left with Provost Dennis Hedge, received the Dr. Harold and Barbara Bailey Award for Excellence in Academic Department Leadership. **Dr. Bob Thaler**, pictured right with President Barry Dunn, received the F.O. Butler Award for Excellence in Extension/Outreach.



SDSU Photo

Midwest Meeting ADSA/ASAS:

The American Society of Animal Science Midwest Branch met in Omaha, NE March 11-13. **Dr. Joe Cassady** serves as an ASAS Director-at-Large. **Dr. George Perry** served as Chairman of the Advancing Reproductive Techniques to Meet the World Demand for Food. Others attending included **Drs. Ryan Samuel**, **Benoit St-Pierre**, **Crystal Levesque**, **Michael Gonda**, **Jodi Morton**, and **Jorge Yair Perez-Palencia**; graduate students **Amy Abrams**, **David Clizer**, **Bradie Schmidt**, **Ethan Blom**, **Wes Gentry**, **Wyatt Smith**, **Talia Everding**, **Christian Ramirez Camba** and **Emmalee Northrop**.

Dr. Tofuko Woyengo presented "Nutritive value of expeller-pressed carinata cake for pigs."

Lily Hernandez presented two abstracts "Supplementation of mint oil and yeast cell in lactation diets on performance of offspring during the early-post weaning period" and "Supplementation of mint oil and yeast cell in lactation diets on the antioxidant status of the dam and performance of offspring during the suckling phase."



Savanna Tomoson presented *“Evaluating National 4-H Hippology and 4-H Livestock Skillathon.”*

Warren Rusche presented *“Heat stress mitigation strategies used by Midwestern cattle feeders.”*

Saymore Ndou presented *“The interactions between dietary fiber and lipid sources alter the predicted production and absorption of caecal and colorectal volatile fatty acids in growing pigs.”*

Kevin Jerez Bogota presented *“Growth performance and nutrient digestibility of multi-enzyme-supplemented low-energy and -amino acid diets for growing and finishing pigs.”*

Katelyn Zeamer presented *“Low allergenic full fat soybean as a suitable replacement for fishmeal in weaned pig diets.”*

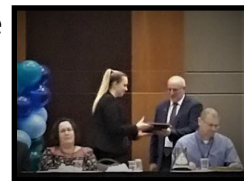
Stephanie Perkins presented *“Impact of an extended-release wormer on rumen VFAs and blood metabolites.”*

Kaitlin Epperson presented *“Influence of BVDV exposure on AI conception and breeding season pregnancy success in beef herds.”*

Jerica Rich presented *“Effects of low doses of GnRH at CIDR removal on estrus expression and conception rates in beef heifers.”*

Erin Little presented a poster titled *“Performance differences between two groups of commercial pigs following an experimental infection with PRRS virus 1-7-4”*.

Congratulations to **Dorothea Clark** who won 3rd place in the undergraduate oral competition at the Midwest Animal Science Meetings in Omaha, NE. She presented an undergraduate research project titled *“Effects of average temperature, wind speed, and solar radiation on daily water intake of beef bulls in winter and early spring in Eastern South Dakota.”* She won two additional awards at SDSU competitions: “Best Use of Statistics” Award at the SDSU Undergraduate Research, Scholarship, and Creative Activity Day (or URSCAD) and 2nd place at Gamma Sigma Delta Undergraduate Poster Competition. Her research project was under the direction of **Drs. Gonda and Wright**.



Congratulations to **Ashley Reiner** who received 2nd place in the undergraduate oral competition at the Midwest Animal Science Meetings in Omaha, NE. She presented an undergraduate research project titled *“Impact of an extended-release dewormer on fetal development and subsequent calf performance.”* Her research project was under the direction of **Dr. Perry**.



Little International 2019:



The 96th Little International, “Live to Leave a Legacy”, was held March 29-30. David Stenberg (Flandreau, SD) was named Honored Agriculturalist and Madison Hokanson, Goodhue, MN was honored with the Pete Pritchett Memorial Award. Candidates for CAFES Teacher of the year included Brett Owens, **Dr. Jeff Held** and **Dr. Rosie Nold** with Brett Owens being chosen. An alumni reception was held in the SD Agricultural Heritage Museum (formerly Livestock Pavilion) Saturday afternoon prior to the evening events. Final showmanship awards were Grand Champion,

Jeremiah Johnson (Huron, SD), Reserve Champion, **Cole Jackson** (Sanborn, MN), High Point Upperclassman, **Maggie Post** (Lakefield, MN), High Point Freshman, **Nathan Linke** (Woonsocket, SD). Mark March 27 - 28, 2020 on your calendar for next year’s Little I. **Collin Vander Wal** (Volga, SD) will serve as Manager and **Jacob Rausch** (Hoven, SD) as Assistant Manager.

Animal Science Spring 2019 Graduation Candidates:

Haley Anderson - Bath, SD
Adam Arens - Yankton, SD
Tanner Baustian - Luverne, MN
Amy Beckstrand - Waldorf, MN
Marissa Bergseng - Glencoe, MN
Natasha Bettin - Lake View, IA
Joshua Brown - Peterson, MN
Elizabeth Buckhaus - Montfort, WI
McKenna Cech - Glenville, MN
Alexis Derrickson - Indianola, IA
MiKayla Emanuel - Lyle, MN
Michaela Erickson - Beardsley, MN
Cody Franken - Sioux Center, IA
Krista Fuoss - Armour, SD
Kelsey Garber - Pierre, SD
Amanda Gehm - De Smet, SD
Olivia Grave - Lennox, SD
Autumn Haan - Chancellor, SD
Lacey Hansen - Taunton, MN
Alyssa Hatcher - Moorhead, IA
Emily Heiberger - Bridgewater, SD
Katie Hendrickson - Estelline, SD
Katherine Hodge - Slater, IA
Samuel Johnson - Monticello, MN
Shaye Jungwirth - Hoven, SD
Tayler Keyser - Wall, SD
Callie Kukuchka - Belle Fourche, SD
Colton Kunkel - Comfrey, MN
Lesley Mason - Papillion, NE
Matthew Obermeyer - Walters, MN

CLASS
of
2019

Bailey Olson - Trimont, MN
Luke Orr - Elkader, IA
Robert Orsten - Willmar, MN
Jacquelyn Pajl - Yankton, SD
Derek Peterson - Sisseton, SD
Megan Popkes - Ellsworth, MN
Ashley Reiner - Hutchinson, MN
Daniel Roker - Bird Island, MN
Austin Rossow - Heron Lake, MN
Martina Rutledge - Germanton, NC
Samantha Schaefer - New Ulm, MN
Lacey Schmitz - Oakes, ND
Madison Schwartz - Tabor, SD
Andrew Shutrop - Waldorf, MN
Katelyn Siltanen - Barnum, MN
Rochelle Smith - Yankton, SD
Andrea Strong - Honey Creek, IA
Shianne Teas - Aitkin, MN
Nicholas Timmerman - Balaton, MN
Chauncey Trapp - Midland, SD
Dillon Van Holland - Volga, SD
Travis Vander Streek - Rock Rapids, IA
Alexandra Vlcek - Tabor, SD
Danielle Voelkel - Le Center, MN
Libbey Warner - Revere, MN
Haidee Wersal - Morgan, MN
Natasha Wiest - Warner, SD
Lindsey Wolles - Dell Rapids, SD
Sawyer Wollmann - Bridgewater, SD

Congratulations!



Celebration of Animal Science Achievements and Excellence:

April 25 marked an exciting evening for Animal Science students, faculty and staff. The first annual Celebration of Animal Science Achievements and Excellence was held at McCrory Gardens. Clubs shared highlights from the year including: Block and Bridle, Horse Club, Rodeo Club, Little I, and Swine Club. Academic Quadrathlon and Judging Teams were recognized as well as undergraduate research accomplishments. **Krista Fuoss** was named Outstanding Student in Animal Science. **Shaye Jungwirth** was awarded the Roger Hunsley Livestock Judging Award and the Dallas Larsen Livestock Judging Award was awarded to **Adam Eichacker**.



Stethoscope and Scholarship Ceremony:

Eight Animal Science students were among those honored at the South Dakota Veterinary Medical Association and SDSU Veterinary and Biomedical Sciences Department Stethoscope and Scholarship Ceremony for SDSU Pre-Veterinary students accepted to veterinary schools. The ceremony was held April 26, 2019. Pictured back row, L to R: **Natasha Bettin, Ellys Johnson, Tanner Baustian, Alexandra Preszler**. Front row: **Ashley Reiner, Marissa Bergseng, Alaine Buysse, Andrea Strong**.



Graduation Recognition Event:

Fifty-nine undergraduate candidates for graduation and their families were invited to attend a recognition event in the Cow/Calf Education and Research Facility on Friday, May 3. Appetizers were available as well as a farewell presentation was shown. **Dr. Joe Cassady** provided an official welcome, presented the students and invited them to introduce themselves and their family as well as indicate their future plans.

Center for the Enhancement of Teaching and Learning Awards:



The Center for the Enhancement of Teaching and Learning (CETL) periodically conducts a Teaching Certificate Program aimed to improve the teaching skill set for Graduate Teaching Assistants. There are two levels of the certification. Level one is the Graduate Teaching Certificate of Excellence and level two is the Graduate Teaching Certificate of Highest Excellence. On April 24, five Animal Science Graduate Students received certificates for the 2018-2019 academic year.

L to R: **Jung Wook Lee, Katelyn Zeamer, Christina Fehrman, Amy Abrams, Samantha McKinney**

Graduate Teaching Certificate of Excellence: **Katelyn Zeamer, Christina Fehrman, Samantha McKinney**

Graduate Teaching Certificate of Highest Excellence: **Jung Wook Lee, Amy Abrams**

2019 Livestock Judging and Meat Animal Evaluation Team:

The SDSU 2019 Livestock Judging and Meat Evaluation Teams wrapped up the spring semester. Following are the results:

National Western Stock Show, Denver, CO

- Team - 9th Overall, 7th Beef, 10th Reasons
- 11th Carload Judging Team

Sioux Empire Livestock Show, Sioux Falls, SD

- Team - 2nd Overall, 2nd Sheep and Goats, 4th Swine, 5th Beef, 6th Reasons
- Individuals
 - ◊ Addison Magill – 8th Overall, 3rd Beef
 - ◊ John Eilertson – 9th Overall, 4th Reasons, 6th Swine, 6th Sheep
 - ◊ Miles Stagemeyer – 4th Sheep

Iowa Beef Expo, Des Moines, IA

- Team - 7th Overall
- Individuals
 - ◊ Miles Stagemeyer – 2nd Placings, 4th Overall
 - ◊ Jackson Neil – 7th Placings

Nebraska Cattlemen's Classic, Kearney, Ne

- Team - 5th Overall and Reasons
- Individuals
 - ◊ Riley Donkers – 8th Overall
 - ◊ Calah Covey – 9th Overall

Houston Livestock Show and Rodeo

- Team - 9th Overall, Cattle & Reasons
- Individual
 - ◊ John Eilertson – 5th Sheep and Goats, 10th Placings

Meat Animal Evaluation Contest, Stillwater, OK

- Team – 6th Overall, 4th Breeding Animal and Market Animal, 8th Meats Judging
- Individuals
 - ◊ Jackson Neil – 10th Breeding Animal
 - ◊ Braden Wilke – 11th Market Animal



*National Meat Animal Evaluation Contest
- Stillwater, OK*

Back Row L to R: **Erin Gubbels** (Assistant Coach),
Wesly Johnson, Jackson Neil, **Miles Stagemeyer**,
Braden Wilke, **John Eilertson**, **Brady Jensen** (Coach)
Front Row L to R: **Shaye Jungwirth** (Assistant Coach),
Riley Donkers, Calah Covey, Molly Kroeger,
Addison Magill, **Justin Ringkob**

Annual Bull Sale:



The 27th Annual Bull Sale was held April 5 at the Cow Calf Education and Research Facility with 27 bulls in the lineup. Overall, the sale was a successful day with approximately 100 people in attendance. Averages of the sale were as follows: Angus average was \$3,464.29, SimAngus average was \$3,730.77, and the overall average was \$3,592.59. The bulls were sold to buyers from South Dakota and Minnesota. **Dr. Cody Wright's** Seedstock Merchandising class was responsible for the

preparation and coordination of the sale.

Helping with bid numbers are students, pictured L to R: **Sam Johnson** (Monticello, MN), **Autumn Haan** (Chancellor, SD), **Martina Rutledge** (Germanton, NC), **Brendan Roth** (Redfield, SD), and **Daniel Roker** (Bird Island, MN). We thank the buyers for attending as well as **Kevin VanderWal** and his crew at the CCERF for their efforts leading to sale day and the Block and Bride Club for helping with the delicious meal.



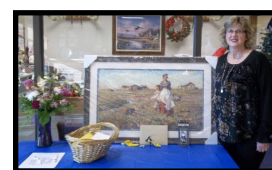
2019 South Africa Study Abroad Course:

Dr. Julie Walker, Dr. Michael Gonda and 16 students from SDSU participated in an ag study abroad course to South Africa March 1-10. Read about their experiences on the travel blog at <https://2019sdsusouthafricatrip.blogspot.com/>



Retirement Reception - December 14:

Brenda Bjorklund retired after employment for 32 years at SDSU. Her entire career at SDSU was in managing the accounts in Animal Science. Many coworkers, friends and family attended the reception. Congratulations Brenda!



Condolences:

We express our sympathy to **Chelsea Sorensen** and family on the loss of her grandfather, Roger Nelson of Dell Rapids who passed away January 16.

We express our sympathy to the family of **Deon Simon**. She passed away March 25, 2019. Deon was a Senior Chemist in the Animal Science Department for 25 years.

Congratulations:



It's a boy! Levi David was born to David and **Heidi Carroll** (Extension Livestock Stewardship Specialist) January 14, 2019. He weighed 8lbs, 14oz, and was 22 inches long. He joins his big sister, Avery, at home.

Rigby George Everts was born March 7, 2019 to **Amanda Rigdon Everts** and **Andrew Everts**. Big brother, Greeley, and big sister, Maesa, welcome him home.

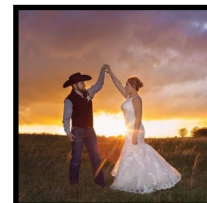


Cheryl Beste was recognized for 47 years of service at the 29th Annual Civil Service Spring Celebration held March 6, 2019.

Graduate student **Wes Gentry** presented a seminar prior to his successful Ph.D. defense March 26. The title of the presentation was "*Anabolic hormone exposure during various stages of growth: effects on post-weaning performance, frame size, and carcass characteristics of calf-fed steers.*" He and his wife, Kayla, will be staying in the Brookings area as he begins employment as a nutritionist at Midwest PMS April 29.

Graduate student **Ethan Blom** presented a seminar entitled *“Receiving and backgrounding phase management: the effects of receiving diet roughage source and backgrounding phase rate of gain on performance of feedlot cattle”* prior to his successful Ph.D. defense March 26.

Graduate student **Wyatt Smith** presented a seminar entitled *“Feedlot cattle: Impacts of small intestinal brush border enzyme activity on feed efficiency; impacts of varying corn grain processing types on feeding behavior”* prior to his successful M.S. defense April 29. He has been accepted into the Ph.D. program at West Texas A&M. **Wyatt Smith** and **Emily Rosenthal** (M.S. 2018) were married April 6 in Collinsville, Oklahoma.



Alejandro Casella presented a seminar prior to his successful M.S. defense March 29. The title of the presentation was *“Effects of increasing dietary levels of carinata meal on feeding behavior, performance and carcass characteristics of beef growing steers”*. He has returned to Argentina and is currently working for a farming and cattle company, Administracion Enrique Duhau, which includes a feed yard with 60,000 head and also 30,000 head in backgrounding at various locations. His tasks are to find areas for improvement—animal health, employee training and writing Standard Operating Procedures.

Drs. Jeff Held and **Rosie Nold** were nominated by students for the Student Association Teacher of the Year award for the College of Agriculture, Food and Environmental Sciences.

Katelyn Berndt received the Schulz-Werth for recognition of scholarly achievements by undergraduate students for her honors project and paper *“Evaluating and Improving Consumer Perceptions of the Agriculture Industry.”* Katie also received the Best Presentation for the School of Communication and Journalism at the Undergraduate Research, Scholarship and Creative Activity (URSCAD) Day. Katie’s project was under the direction of **Dr. Rosie Nold**.

Travel Notes:

The Plains Nutrition Council Spring Conference was held in San Antonio, Texas April 10-12. **Dr. Zach Smith** presented *“Feeding Cattle in All-Natural and Conventional Programs.”* Graduate students **Ethan Blom**, **Wes Gentry** and **Wyatt Smith** attended the conference.



**SOUTH DAKOTA
STATE UNIVERSITY**

Department of Animal Science

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